Product Description: self-ballast LED lamp Model No.: y-A880ST-Q1R-xx FCC ID: 2AB2QY-A880ST-Q1R

According to the KDB-447498 D01 V05r02, the following RF exposure evaluation shall to demonstrate RF exposure compliance.

Bluetooth

Tx frequency range: 2405~2480MHz Device category: Removable device Maximum Conducted Output Power: 7.91 dBm Maximum Antenna Gain: 0 dBi Minimum Distance: 5mm

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot \left[\sqrt{f_{(GHz)}}\right] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,²⁵ where

- f_(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁶
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is \leq 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

So, the RF exposure limit is 10mW.

Source-based time-averaged EIRP output power is 6.18mW < 10mW

So the transmitter complies with the RF exposure requirements and the SAR is not required.